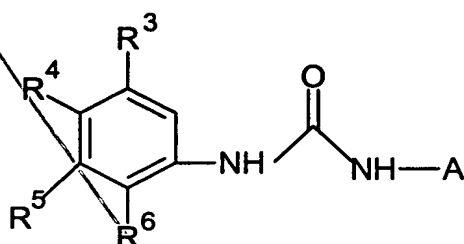


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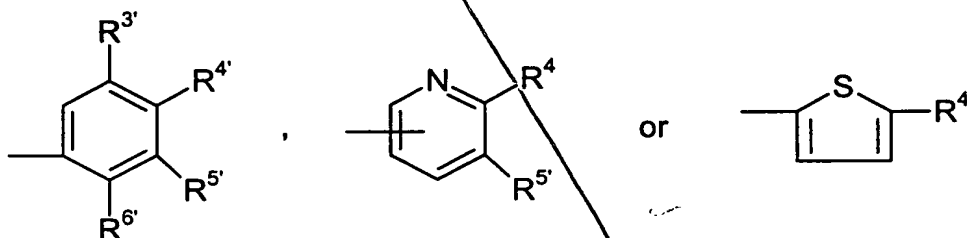
## WHAT IS CLAIMED IS:

1. A compound of formula I:



wherein

- 15 A is



20  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  are each, independently, H, halogen,  $\text{NO}_2$ ,  $\text{C}_{1-10}$ -alkyl, optionally substituted by halogen up to perhaloalkyl,  $\text{C}_{1-10}$ -alkoxy, optionally substituted by halogen up to perhaloalkoxy,  $\text{C}_{6-12}$  aryl, optionally substituted by  $\text{C}_{1-10}$  alkyl or  $\text{C}_{1-10}$  alkoxy, or  $\text{C}_{5-12}$  hetaryl, optionally substituted by  $\text{C}_{1-10}$  alkyl or  $\text{C}_{1-10}$  alkoxy,

and one of  $R^3$ - $R^6$  can be  $-\text{X}-\text{Y}$ ;

or two adjacent  $R^3$ - $R^6$  can together be an aryl or hetaryl ring with 5-12 atoms, optionally substituted by  $\text{C}_{1-10}$ -alkyl,  $\text{C}_{1-10}$ -alkoxy,  $\text{C}_{3-10}$ -cycloalkyl,  $\text{C}_{2-10}$ -alkenyl,  $\text{C}_{1-10}$ -alkanoyl,  $\text{C}_{6-12}$ -aryl,  $\text{C}_{5-12}$ -hetaryl;  $\text{C}_{6-12}$ -aralkyl,  $\text{C}_{6-12}$ -alkaryl, halogen;  $\text{NR}^1\text{R}^1$ ;

or a pharmaceutically acceptable salt thereof,

with the proviso that if X is -O- or -S-, R<sup>3'</sup> and R<sup>6'</sup> are H, and Y is phenyl unsubstituted by OH, then R<sup>6</sup> is alkoxy.

2. A compound according to claim 1, having a pKa greater than 10.

3. A compound according to claim 1, wherein

R<sup>3</sup> is halogen or C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhaloalkyl;

R<sup>4</sup> is H, halogen or NO<sub>2</sub>;

R<sup>5</sup> is H, halogen or C<sub>1-10</sub>-alkyl; R<sup>6</sup> is H, C<sub>1-10</sub>-alkoxy, thiophene, pyrrole or methyl substituted pyrrole,

10 R<sup>3'</sup> is H, halogen, CH<sub>3</sub>, or CF<sub>3</sub> and R<sup>6'</sup> is H, halogen CH<sub>3</sub>, CF<sub>3</sub> or -OCH<sub>3</sub>.

4. A compound according to claim 1, wherein

R<sup>3</sup> is C<sub>4-10</sub>-alkyl, Cl, F or CF<sub>3</sub>;

R<sup>4</sup> is H, Cl, F or NO<sub>2</sub>;

15 R<sup>5</sup> is H, Cl, F or C<sub>4-10</sub>-alkyl; and

R<sup>6</sup> is H or OCH<sub>3</sub>.

5. A compound according to claim 4, wherein R<sup>3</sup> or R<sup>5</sup> is t-butyl.

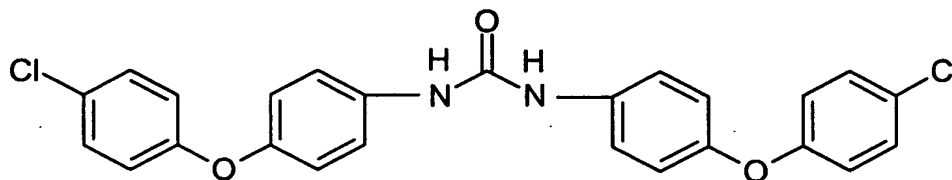
20 6. A compound according to claim 1, wherein X is -CH<sub>2</sub>-, -N(CH<sub>3</sub>)- or -NHC(O)-.

7. A compound according to claim 6, wherein Y is phenyl or pyridyl.

8. A compound according to claim 1, wherein X is -O-.

9. A compound according to claim 8, wherein Y is phenyl, pyridyl pyridone or benzothiazole.

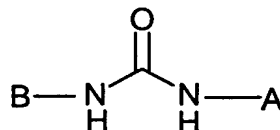
10. A compound according to claim 1, wherein X is -S-.
11. A compound according to claim 10, wherein Y is phenyl or pyridyl.
12. A compound of the formula



13. A pharmaceutical composition comprising a compound of claim 1, and a physiologically acceptable carrier.

14. A pharmaceutical composition comprising a compound of claim 12, and a physiologically acceptable carrier.

15. A method for the treatment of a cancerous cell growth mediated by raf kinase, comprising administering a compound of formula II:

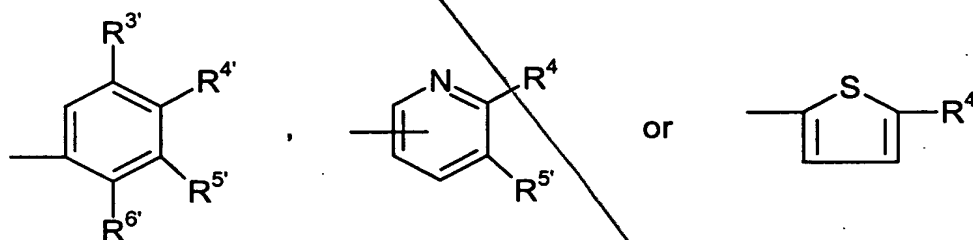


II

wherein

15

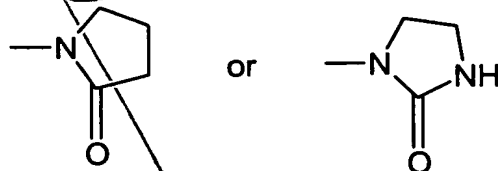
A is



B is a substituted or unsubstituted, up to tricyclic aryl or heteroaryl moiety of up to 30 carbon atoms with at least one 6-member aromatic structure containing 0-4 members of the group consisting of nitrogen, oxygen and sulfur, wherein if B is

-NO<sub>2</sub>; -CF<sub>3</sub>; -COOR<sup>1</sup>; -NHCOR<sup>1</sup>; -CN; -CONR<sup>1</sup>R<sup>1</sup>; -SO<sub>2</sub>R<sup>2</sup>; -SOR<sup>2</sup>; -SR<sup>2</sup>; in which R<sup>1</sup> is H or C<sub>1-10</sub>-alkyl and R<sup>2</sup> is C<sub>1-10</sub>-alkyl, optionally substituted by halogen, up to perhalo with -S(O<sub>2</sub>)- optionally incorporated in the aryl or hetaryl ring;

- 5 R<sup>4'</sup>, R<sup>5'</sup> and R<sup>6'</sup> are independently H, halogen, C<sub>1</sub> - C<sub>10</sub> alkyl, optionally substituted by halogen up to perhaloalkyl,



- 10 C<sub>1</sub> - C<sub>10</sub> alkoxy optionally substituted by halogen up to perhaloalkoxy or -X-Y, and either one of R<sup>4'</sup>, R<sup>5'</sup> or R<sup>6'</sup> is -X-Y or two adjacent of R<sup>4'</sup>, R<sup>5'</sup> and R<sup>6'</sup> together are a hetaryl ring with 5-12 atoms optionally substituted by C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, C<sub>3-10</sub> cycloalkyl, C<sub>2-10</sub> alkenyl, C<sub>1-10</sub> alkanoyl, C<sub>6-12</sub> aryl, C<sub>5-12</sub> hetaryl or C<sub>6-12</sub> aralkyl;

R<sup>6'</sup> is additionally -NHCOR<sup>1</sup>, -NR<sup>1</sup>COR<sup>1</sup> or NO<sub>2</sub>;

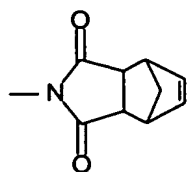
R<sup>1</sup> is C<sub>1-10</sub> alkyl optionally substituted by halogen up to perhalo;

- 15 R<sup>3'</sup> is H, halogen, C<sub>1</sub>-C<sub>10</sub> alkyl optionally substituted by halogen up to perhaloalkyl, C<sub>1</sub>-C<sub>10</sub> alkoxy, optionally substituted by halogen up to perhaloalkoxy;

X is -CH<sub>2</sub>-, -S-, -N(CH<sub>3</sub>)-, -NHC(O)-, -CH<sub>2</sub>-S-, -S-CH<sub>2</sub>-, -C(O)-, or -O-; and

X is additionally a single bond where Y is pyridyl; and

- 20 Y is phenyl, pyridyl, naphthyl, pyridone, pyrazine, pyrimidine, benzodioxane, benzopyridine or benzothiazole, each optionally substituted by C<sub>1-10</sub>-alkyl, C<sub>1-10</sub>-alkoxy, halogen, OH, -SCH<sub>3</sub>, NO<sub>2</sub> or, where Y is phenyl, by



substituted it is substituted by one or more substituents selected from the group consisting of halogen, up to per-halo, and  $W_n$ , wherein  $n$  is 0-3 and each  $W$  is independently selected from the group consisting of  $-CN$ ,  $-CO_2R^7$ ,  $-C(O)NR^7R^7$ ,  $-C(O)R^7$ ,  $-NO_2$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NR^7R^7$ ,  $-NR^7C(O)OR^7$ ,  $-NR^7C(O)R^7$ ,  $C_1-C_{10}$  alkyl,  $C_2-C_{10}$  alkenyl,  $C_1-C_{10}$  alkoxy,  $C_3-C_{10}$  cycloalkyl,  $C_6-C_{14}$  aryl,  $C_7-C_{24}$  alkaryl,  $C_3-C_{13}$  heteroaryl,  $C_4-C_{23}$  alkheteroaryl, substituted  $C_1-C_{10}$  alkyl, substituted  $C_2-C_{10}$  alkenyl, substituted  $C_1-C_{10}$  alkoxy, substituted  $C_3-C_{10}$  cycloalkyl, substituted  $C_4-C_{23}$  alkheteroaryl and  $Q-Ar$ ;

wherein if  $W$  is a substituted group, it is substituted by one or more substituents independently selected from the group consisting of  $-CN$ ,  $-CO_2R^7$ ,  $-C(O)R^7$ ,  $-C(O)NR^7R^7$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NR^7R^7$ ,  $NO_2$ ,  $-NR^7C(O)R^7$ ,  $-NR^7C(O)OR^7$  and halogen up to per-halo;

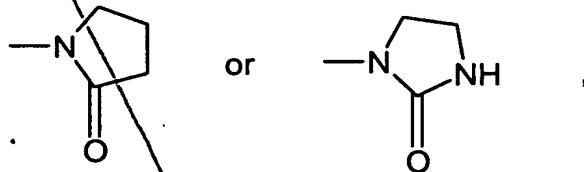
wherein each  $R^7$  is independently selected from  $H$ ,  $C_1-C_{10}$  alkyl,  $C_2-C_{10}$  alkenyl,  $C_3-C_{10}$  cycloalkyl,  $C_6-C_{14}$  aryl,  $C_3-C_{13}$  hetaryl,  $C_7-C_{24}$  alkaryl,  $C_4-C_{23}$  alkheteroaryl, up to per-halosubstituted  $C_1-C_{10}$  alkyl, up to per-halo substituted  $C_2-C_{10}$  alkenyl, up to per-halosubstituted  $C_3-C_{10}$  cycloalkyl, up to per-halosubstituted  $C_6-C_{14}$  aryl and up to per-halosubstituted  $C_3-C_{13}$  hetaryl,

wherein  $Q$  is  $-O-$ ,  $-S-$ ,  $-N(R^7)-$ ,  $-(CH_2)_m-$ ,  $-C(O)-$ ,  $-CH(OH)-$ ,  $-(CH_2)_mO-$ ,  $-NR^7C(O)NR^7R^7-$ ,  $-NR^7C(O)-$ ,  $-C(O)NR^7-$ ,  $-(CH_2)_mS-$ ,  $-(CH_2)_mN(R^7)-$ ,  $-O(CH_2)_m-$ ,  $-CHX^a$ ,  $-CX^a_2-$ ,  $-S-(CH_2)_m-$  and  $-N(R^7)(CH_2)_m-$ ,

$m = 1-3$ , and  $X^a$  is halogen; and

$Ar$  is a 5-10 member aromatic structure containing 0-2 members of the group consisting of nitrogen, oxygen and sulfur, which is unsubstituted or substituted by halogen up to per-halo and optionally substituted by  $Z_{n1}$ , wherein  $n1$  is 0 to 3 and each  $Z$  is independently selected from the group consisting of  $-CN$ ,  $-CO_2R^7$ ,  $-C(O)NR^7R^7$ ,  $-C(O)NR^7$ ,  $-NO_2$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NR^7R^7$ ,  $-NR^7C(O)OR^7$ ,  $-C(O)R^7$ ,  $-NR^7C(O)R^7$ ,  $C_1-C_{10}$  alkyl,  $C_3-C_{10}$  cycloalkyl,  $C_6-C_{14}$  aryl,  $C_3-C_{13}$  hetaryl,  $C_7-C_{24}$  alkaryl,  $C_4-C_{23}$  alkheteroaryl, substituted  $C_1-C_{10}$  alkyl, substituted  $C_3-C_{10}$  cycloalkyl, substituted  $C_7-C_{24}$  alkaryl and substituted  $C_4-C_{23}$  alkheteroaryl; wherein the one or more substituents of  $Z$  is selected from the group consisting of  $-CN$ ,  $-CO_2R^7$ ,  $-C(O)NR^7R^7$ ,  $-OR^7$ ,  $-SR^7$ ,  $-NO_2$ ,  $-NR^7R^7$ ,  $-NR^7C(O)R^7$  and  $-NR^7C(O)OR^7$ ,

$R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  are each independently H, halogen,  $C_{1-10}$ -alkyl, optionally substituted by halogen up to perhaloalkyl,



5  $C_1-C_{10}$  alkoxy, optionally substituted by halogen up to perhaloalkoxy or  $-X-Y$ , and

either one of  $R^{4'}$ ,  $R^{5'}$  or  $R^{6'}$  is  $-X-Y$  or two adjacent of  $R^{4'}$ ,  $R^{5'}$  and  $R^{6'}$  together are a hetaryl ring with 5-12 atoms optionally substituted by  $C_{1-10}$  alkyl,  $C_{1-10}$  alkoxy,  $C_{3-10}$  cycloalkyl,  $C_{2-10}$  alkenyl,  $C_{1-10}$  alkanoyl,  $C_{6-12}$  aryl,  $C_{5-12}$  hetaryl or  $C_{6-12}$  aralkyl;

10  $R^{6'}$  is additionally  $-NHCOR^1$ ,  $-NR^1COR^1$  or  $NO_2$ ;

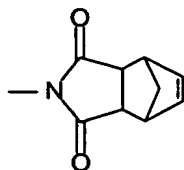
$R^1$  is  $C_{1-10}$  alkyl optionally substituted by halogen up to perhalo;

15  $R^{3'}$  is independently H, halogen,  $C_{1-10}$  alkyl, optionally substituted by halogen up to perhaloalkyl,  $C_{1-10}$  alkoxy, optionally substituted by halogen up to perhaloalkoxy;

$X$  is  $-CH_2-$ ,  $-S-$ ,  $-N(CH_3)-$ ,  $-NHC(O)-$ ,  $-CH_2-S-$ ,  $-C(O)-$ , or  $-O-$ ;

20  $X$  is additionally a single bond where  $Y$  is pyridyl; and

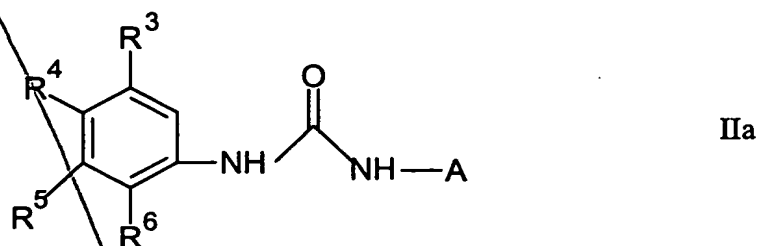
$Y$  is phenyl, pyridyl, naphthyl, pyridone, pyrazine, pyrimidine, benzodioxane, benzopyridine or benzothiazole, each optionally substituted by  $C_{1-10}$ -alkyl,  $C_{1-10}$ -alkoxy, halogen, OH,  $-SCH_3$ , or  $NO_2$  or, where  $Y$  is phenyl, by



or a pharmaceutically acceptable salt thereof.

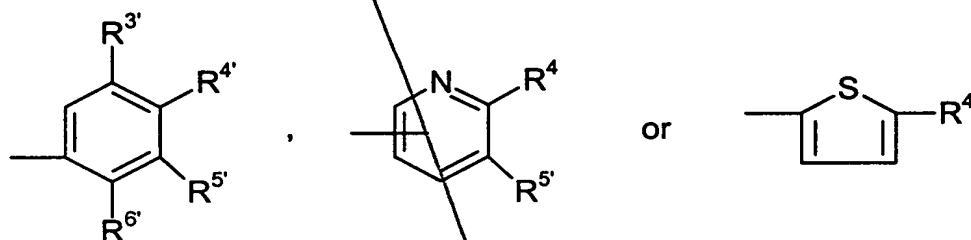
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16. A method according to claim 15, comprising administering a compound of formula IIa:



wherein

A is



$R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  are each independently H, halogen,  $\text{NO}_2$ ,  $\text{C}_{1-10}$ -alkyl, optionally substituted by halogen up to perhaloalkyl, or  $\text{C}_{1-10}$ -alkoxy, optionally substituted by halogen up to perhaloalkoxy,  $\text{C}_{6-12}$  aryl, optionally substituted by  $\text{C}_{1-10}$  alkyl or  $\text{C}_{1-10}$  alkoxy, or  $\text{C}_{5-12}$  hetaryl, optionally substituted by  $\text{C}_{1-10}$  alkyl or  $\text{C}_{1-10}$  alkoxy,

and one of  $R^3$ - $R^6$  can be  $-\text{X}-\text{Y}$ ;

or two adjacent  $R^3$ - $R^6$  can together be an aryl or hetaryl ring with 5-12 atoms,

optionally substituted by  $\text{C}_{1-10}$ -alkyl,  $\text{C}_{1-10}$ -alkoxy,  $\text{C}_{3-10}$ -cycloalkyl,  $\text{C}_{2-10}$ -alkenyl,

$\text{C}_{1-10}$ -alkanoyl;  $\text{C}_{6-12}$ -aryl,  $\text{C}_{5-12}$ -hetaryl,  $\text{C}_{6-12}$ -alkaryl, halogen;  $-\text{NR}^1\text{R}^1$ ;  $-\text{NO}_2$ ;  $-\text{CF}_3$ ;  $-\text{COOR}^1$ ;  $-\text{NHCOR}^1$ ;  $-\text{CN}$ ;  $-\text{CONR}^1\text{R}^1$ ;  $-\text{SO}_2\text{R}^2$ ;  $-\text{SOR}^2$ ;  $-\text{SR}^2$ ; in which  $\text{R}^1$  is H or

$\text{C}_{1-10}$ -alkyl, optionally substituted by halogen, up to perhalo and  $\text{R}^2$  is  $\text{C}_{1-10}$ -alkyl,

optionally substituted by halogen, up to perhalo, with  $-\text{SO}_2-$  optionally incorporated in the aryl or hetaryl ring, and  $\text{R}^3$ - $\text{R}^6$  are as defined in claim 15.

17. A method according to claim 16, wherein

$\text{R}^3$  is halogen or  $\text{C}_{1-10}$ -alkyl, optionally substituted by halogen, up to perhaloalkyl;

$\text{R}^4$  is H, halogen or  $\text{NO}_2$ ;

R<sup>5</sup> is H, halogen or C<sub>1-10</sub>- alkyl;

R<sup>6</sup> is H [or] C<sub>1-10</sub>- alkoxy, thiophene, pyrole or methylsubstituted pyrole

R<sup>3'</sup> is H, halogen, CH<sub>3</sub>, or CF<sub>3</sub> and

R<sup>6'</sup> is H, halogen, CH<sub>3</sub>, CF<sub>3</sub> or OCH<sub>3</sub>.

5

18. A method according to claim 16, wherein X is -CH<sub>2</sub>- , [or] -S-, -N(CH<sub>3</sub>)- or -NHC(O)- and Y is phenyl or pyridyl.

10 19. A method according to claim 16, wherein X is -O- and Y is phenyl, pyridone, pyrimidine, pyridyl or benzothiazole.

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